



PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	10/637,102
Filing Date	August 8, 2003
First Named Inventor	Sandhu et al.
Group Art Unit	2812
Examiner Name	L. Gurley
Attorney Docket Number	3264.7US (92-0280.10/US)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
JA		US-4,725,877	02/1988	Brasen et al.	<div style="font-size: 4em;">X</div>
JA		US- 4,804,636	02/1989	Groover et al.	
JA		US- 5,770,520	06/1998	Zhao et al.	
JA		US- 6,187,873	02/2001	Lai et al.	
JA		US- 6,261,935	07/2001	See et al.	
JA		US- 6,271,136	08/2001	Shue et al.	
JA		US- 6,281,101	08/2001	Iyer	
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<i>L. Gurley</i>	Date Considered	4/23/04
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Signature**

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 3264.7US (92-0280.10/US) Applicant Sandhu et al. Filing Date August 8, 2003		Application Number Not yet assigned Group Art Unit Unknown			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JA</i>	3,637,320	01/1972	Wakefield et al.				
<i>JA</i>	3,807,008	04/1974	Reedy				
<i>JA</i>	4,035,541	07/1977	Smith et al.				
<i>JA</i>	4,497,874	02/1985	Hale				
<i>JA</i>	4,830,886	05/1989	Co et al.				
<i>JA</i>	4,960,732	10/1990	Dixit et al.				
<i>JA</i>	4,990,997	02/1991	Nishida				
<i>JA</i>	5,001,531	01/1001	Yamaguchi				
<i>JA</i>	5,049,975	09/1991	Ajika et al.				
<i>JA</i>	5,087,593	02/1992	Narula				
<i>JA</i>	5,132,756	01/1992	Matsuda				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<i>JA</i>	4-87328	06/1992	Japan				
<i>JA</i>	4-38875	02/1992	Japan				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>JA</i>		Wakefield et al., "Preparation of Titanium Carbonitride From Mono-, Di-, and Tri-Methyl Amines"; 4 th International Conference on CVD, Electrochemical Society, 1973, pps. 173-150.					
<i>JA</i>		Politis et al., "Preparation, Characterization and Superconducting Properties of TiN and TiCxNy Single Crystals Prepared By CVD"; 7 th International Conference on CVD, Electrochemical Society, 1979, pps. 289-299.					
<i>JA</i>		Raaijmakers et al., "Contact Hole Fill with Low Temperature LPCVD TiN", VMIC Conference 6/12-6/13/90, pps. 219-225.					
EXAMINER <i>Yvonne A. Hershey</i>			DATE CONSIDERED <i>12/12/03</i>				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance. Include copy of this form with next communication to the applicant.							

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

3264.7US (92-0280.10/US)

Application Number

N t yet assigned

Applicant Sandhu t al.

Filing Date August 8, 2003

Group Art Unit Unkn wn

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>SH</i>	5,139,825	08/1992	Gordon et al.			
<i>SH</i>	5,178,911	01/1993	Gordon et al.			
<i>SH</i>	5,192,589	03/1993	Sandhu.			
<i>SH</i>	5,246,881	09/1993	Sandhu et al.			
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<i>SH</i>	5,496,762	03/1996	Sandhu et al.			
<i>SH</i>	5,536,947	07/1996	Kiersy et al.			
<i>SH</i>	5,571,572	11/1996	Sandhu			
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<i>SH</i>	6,291,340	09/2001	Sandhu et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
					YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Yvonne A. Hurley

DATE CONSIDERED

12/12/03

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Filing Date	August 8, 2003
First Named Inventor	Saïdhu et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	326A 711S (92-0280 10/1S)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>MA</i>		KATZ et al., "Properties of Titanium Nitride Thin Films Deposited by Rapid-Thermal-Low-Pressure-Metalorganic-Chemical-Vapor-Deposition Technique Using Tetrakis (Dimethylamido) Titanium Precursor", J. Appl. Phys. 70(7), October 1991, pps. 3666-3677.	

Examiner
Signature*Yannick Khurley*Date
Considered

12/12/03

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